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to a collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995, so per Complete if Known Substitute for form 1449A/PTO 09/352,194 Application Number INFORMATION DISCLOSURE July 13, 1999 Filing Date STATEMENT BY APPLICANT Shunpei YAMAZAKI et al. First Named Inventor (use as many sheets as necessary) Group Art Unit F. Toledo Examiner Name Attorney Docket Number 0756-1998 Sheet

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| -     |                       |            |        | Filing Date                                     | July 13, 1999           |  |  |  |
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|       |                       |            |        | Examiner Name                                   | F. Toledo               |  |  |  |
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|                      |                          | Number Kind Co.<br>(If boom |    |  | 323-05-1111  |   |                |
| 21                   |                          | 6,559,036                   | 01 | htani et al.                                       | 05/06/2003   | ·   |                |
| 11                   |                          | 6,335,541                   | Ol | htani et al.                                       | 01/01/2002   |   |                |
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| MI                   | 1            | 5,608,232                                | Yamazaki et al.                        | 03/04/1997                               | RECEIVED   |  |
|                      |              |  |  |  |  |  |
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| 111                                   |              |                         | Office Action dated June 24, 2004 received in U.S. Application Serial No. 09/894,125 filed June 29, 2001. |                                      |  |  |   |                |  |  |
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